

#3

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/527,258
Source: pcu/10
Date Processed by STIC: 3/22/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/527,258</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u> </u> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u> </u> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u> </u> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u> </u> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u> </u> Variable Length	Sequence(s) <u> </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u> </u> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u> </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u> </u> Skipped Sequences (OLD RULES)	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u> </u> Skipped Sequences (NEW RULES)	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u> </u> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u> </u> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u> </u> Use of <220>	Sequence(s) <u> </u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u> </u> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u> </u> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005

TIME: 09:49:38

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03222005\J527258.raw

3 <110> APPLICANT: KUREHA CHEMICAL INDUSTRY COMPANY, LIMITED
 4 YAMAMOTO, Mikio
 5 YAMAMOTO, Naoki
 7 <120> TITLE OF INVENTION: METHOD FOR PREPARATION OF EXPRESSED GENE IDENTIFICATION CDNA
 TAG AND
 8 METHOD FOR ANALYSIS OF GENE EXPRESSION
 10 <130> FILE REFERENCE: 0701004W01
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/527,258
 C--> 12 <141> CURRENT FILING DATE: 2005-03-09
 12 <160> NUMBER OF SEQ ID NOS: 65
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 21
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Artificial Sequence
 24 <220> FEATURE:
 25 <221> NAME/KEY: misc_feature
 26 <222> LOCATION: (1)..(7)
 27 <223> OTHER INFORMATION: n stands for any base
 30 <220> FEATURE:
 31 <221> NAME/KEY: misc_feature
 32 <222> LOCATION: (14)..(18)
 33 <223> OTHER INFORMATION: n stands for any base
 36 <400> SEQUENCE: 1
 W--> 37 nnnnnnnngag gagnnnnnngg g
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 21
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Artificial Sequence
 48 <220> FEATURE:
 49 <221> NAME/KEY: misc_feature
 50 <222> LOCATION: (4)..(8)
 51 <223> OTHER INFORMATION: n stands for any base
 54 <220> FEATURE:
 55 <221> NAME/KEY: misc_feature
 56 <222> LOCATION: (15)..(21)
 57 <223> OTHER INFORMATION: n stands for any base
 60 <400> SEQUENCE: 2
 W--> 61 cccnnnnnct cctcnnnnnn n
 64 <210> SEQ ID NO: 3

pp 1-7

FYI: Does Not Comply
Corrected Diskette Needed

"Artificial" is mispelled.
 This is an insufficient
 explanation for <213> Artificial
 Sequence
 (give source of
 genetic material.
 See item 11
 on Error
 Summary
 sheet.)

Please
 correct the above
 errors in subsequent
 sequences

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005

TIME: 09:49:38

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03222005\J527258.raw

65 <211> LENGTH: 23
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial
 69 <220> FEATURE:
 70 <221> NAME/KEY: misc_feature
 71 <222> LOCATION: (2)..(10)
 72 <223> OTHER INFORMATION: n stands for any base.
 75 <220> FEATURE:
 76 <221> NAME/KEY: misc_feature
 77 <222> LOCATION: (17)..(23)
 78 <223> OTHER INFORMATION: n stands for any base.
 81 <400> SEQUENCE: 3
 W--> 82 cnnnnnnnnn tccgccnnnnn nnn 23
 85 <210> SEQ ID NO: 4
 86 <211> LENGTH: 24
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Artificial
 90 <220> FEATURE:
 91 <221> NAME/KEY: misc_feature
 92 <222> LOCATION: (1)..(7)
 93 <223> OTHER INFORMATION: n stands for any base.
 96 <220> FEATURE:
 97 <221> NAME/KEY: misc_feature
 98 <222> LOCATION: (14)..(22)
 99 <223> OTHER INFORMATION: n stands for any base.
 102 <400> SEQUENCE: 4
 W--> 103 nnnnnnnnggc ggannnnnnnn nngt 24
 106 <210> SEQ ID NO: 5
 107 <211> LENGTH: 23
 108 <212> TYPE: DNA
 109 <213> ORGANISM: Artificial
 111 <220> FEATURE:
 112 <221> NAME/KEY: misc_feature
 113 <222> LOCATION: (1)..(7)
 114 <223> OTHER INFORMATION: n stands for any base.
 117 <220> FEATURE:
 118 <221> NAME/KEY: misc_feature
 119 <222> LOCATION: (14)..(18)
 120 <223> OTHER INFORMATION: n stands for any base.
 123 <400> SEQUENCE: 5
 W--> 124 nnnnnnnngag gagnnnnnngg gac 23
 127 <210> SEQ ID NO: 6
 128 <211> LENGTH: 24
 129 <212> TYPE: DNA
 130 <213> ORGANISM: Artificial
 132 <220> FEATURE:
 133 <221> NAME/KEY: misc_feature
 134 <222> LOCATION: (1)..(7)
 135 <223> OTHER INFORMATION: n stands for any base.

*no explanations in 2207-2237 section
 see p. 7 for error
 explanation*

same error

same

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005

TIME: 09:49:38

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03222005\J527258.raw

```

138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (14)..(22)
141 <223> OTHER INFORMATION: n stands for any base.
144 <400> SEQUENCE: 6
W--> 145 nnnnnnnggc ggannnnnnn nngt 24
148 <210> SEQ ID NO: 7
149 <211> LENGTH: 20
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (1)..(7)
156 <223> OTHER INFORMATION: n stands for any base.
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <222> LOCATION: (14)..(14)
162 <223> OTHER INFORMATION: n stands for any base.
165 <400> SEQUENCE: 7
W--> 166 nnnnnnngag gagngtgcag 20
169 <210> SEQ ID NO: 8
170 <211> LENGTH: 22
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (9)..(9)
177 <223> OTHER INFORMATION: n stands for any base.
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: (16)..(22)
183 <223> OTHER INFORMATION: n stands for any base.
186 <400> SEQUENCE: 8
W--> 187 tactgcacnc tcctcnnnnn nn 22
190 <210> SEQ ID NO: 9
191 <211> LENGTH: 23
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (3)..(10)
198 <223> OTHER INFORMATION: n stands for any base.
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (17)..(23)
204 <223> OTHER INFORMATION: n stands for any base.
207 <400> SEQUENCE: 9
W--> 208 acnnnnnnnnn ctcctcnnnn nnn 23
211 <210> SEQ ID NO: 10

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005

TIME: 09:49:38

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03222005\J527258.raw

212 <211> LENGTH: 25
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (1)..(7)
219 <223> OTHER INFORMATION: n stands for any base.
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: (14)..(21)
225 <223> OTHER INFORMATION: n stands for any base.
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (24)..(25)
231 <223> OTHER INFORMATION: n stands for any base.
234 <400> SEQUENCE: 10
W--> 235 nnnnnnngag gagnnnnnn ngtnn 25
238 <210> SEQ ID NO: 11
239 <211> LENGTH: 23
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (1)..(7)
246 <223> OTHER INFORMATION: n stands for any base.
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (14)..(14)
252 <223> OTHER INFORMATION: n stands for any base.
255 <400> SEQUENCE: 11
W--> 256 nnnnnnngag gagnetgcag tac 23
259 <210> SEQ ID NO: 12
260 <211> LENGTH: 23
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: (1)..(7)
267 <223> OTHER INFORMATION: n stands for any base.
270 <220> FEATURE:
271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (14)..(21)
273 <223> OTHER INFORMATION: n stands for any base.
276 <400> SEQUENCE: 12
W--> 277 nnnnnnngag gagnnnnnn ngtn 23
280 <210> SEQ ID NO: 13
281 <211> LENGTH: 20
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005

TIME: 09:49:38

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03222005\J527258.raw

285 <220> FEATURE:
 286 <221> NAME/KEY: misc_feature
 287 <222> LOCATION: (1)..(7)
 288 <223> OTHER INFORMATION: n stands for any base.
 291 <220> FEATURE:
 292 <221> NAME/KEY: misc_feature
 293 <222> LOCATION: (14)..(14)
 294 <223> OTHER INFORMATION: n stands for any base.
 297 <400> SEQUENCE: 13
 W--> 298 nnnnnnnngag gagngtgcag 20
 301 <210> SEQ ID NO: 14
 302 <211> LENGTH: 22
 303 <212> TYPE: DNA
 304 <213> ORGANISM: Artificial
 306 <220> FEATURE:
 307 <221> NAME/KEY: misc_feature
 308 <222> LOCATION: (9)..(9)
 309 <223> OTHER INFORMATION: n stands for any base.
 312 <220> FEATURE:
 313 <221> NAME/KEY: misc_feature
 314 <222> LOCATION: (16)..(22)
 315 <223> OTHER INFORMATION: n stands for any base.
 318 <400> SEQUENCE: 14
 W--> 319 tactgcacnc tcctcnnnnn nn 22
 322 <210> SEQ ID NO: 15
 323 <211> LENGTH: 36
 324 <212> TYPE: DNA
 325 <213> ORGANISM: Artificial
 327 <220> FEATURE:
 328 <221> NAME/KEY: misc_feature
 329 <222> LOCATION: (1)..(7)
 330 <223> OTHER INFORMATION: n stands for any base.
 333 <220> FEATURE:
 334 <221> NAME/KEY: misc_feature
 335 <222> LOCATION: (14)..(14)
 336 <223> OTHER INFORMATION: n stands for any base.
 339 <220> FEATURE:
 340 <221> NAME/KEY: misc_feature
 341 <222> LOCATION: (24)..(36)
 342 <223> OTHER INFORMATION: n stands for any base.
 345 <400> SEQUENCE: 15
 W--> 346 nnnnnnnngag gagngtgcag tacnnnnnnn nnnnnn 36
 349 <210> SEQ ID NO: 16
 350 <211> LENGTH: 34
 351 <212> TYPE: DNA
 352 <213> ORGANISM: Artificial
 354 <220> FEATURE:
 355 <221> NAME/KEY: misc_feature
 356 <222> LOCATION: (1)..(11)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005
 TIME: 09:49:39

Input Set : A:\PTO.SR.txt
 Output Set: N:\CRF4\03222005\J527258.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. ~~1,2,3,4,5,6,7,14,15,16,17,18~~
 Seq#:2; N Pos. ~~4,5,6,7,8,15,16,17,18,19,20,21~~
 Seq#:3; N Pos. ~~2,3,4,5,6,7,8,9,10,17,18,19,20,21,22,23~~
 Seq#:4; N Pos. ~~1,2,3,4,5,6,7,14,15,16,17,18,19,20,21,22~~
 Seq#:5; N Pos. ~~1,2,3,4,5,6,7,14,15,16,17,18~~
 Seq#:6; N Pos. ~~1,2,3,4,5,6,7,14,15,16,17,18,19,20,21,22~~
 Seq#:7; N Pos. ~~1,2,3,4,5,6,7,14~~
 Seq#:8; N Pos. ~~9,16,17,18,19,20,21,22~~
 Seq#:9; N Pos. ~~3,4,5,6,7,8,9,10,17,18,19,20,21,22,23~~
 Seq#:10; N Pos. ~~1,2,3,4,5,6,7,14,15,16,17,18,19,20,21,24,25~~
 Seq#:11; N Pos. ~~1,2,3,4,5,6,7,14~~
 Seq#:12; N Pos. ~~1,2,3,4,5,6,7,14,15,16,17,18,19,20,21~~
 Seq#:13; N Pos. ~~1,2,3,4,5,6,7,14~~
 Seq#:14; N Pos. ~~9,16,17,18,19,20,21,22~~
 Seq#:15; N Pos. ~~1,2,3,4,5,6,7,14,24,25,26,27,28,29,30,31,32,33,34,35,36~~
 Seq#:16; N Pos. ~~1,2,3,4,5,6,7,8,9,10,11,21,28,29,30,31,32,33,34~~
 Seq#:17; N Pos. 1,2,3,4,5,6,7,14,15,16,17,18,19,20,21,22,25,26
 Seq#:18; N Pos. 3,4,5,6,7,8,9,10,11,18,19,20,21,22,23,24
 Seq#:19; N Pos. 1,2,3,4,5,6,7,14,24,25,26,27,28,29,30,31,32,33,34,35,36,39
 Seq#:19; N Pos. 40,41,42,43,44,45,46,47,54,55,56,57,58,59,60
 Seq#:20; N Pos. 1,2,3,4,5,6,7,14,15,16,17,18,19,20,21,22,25,26,27,28,29,30
 Seq#:20; N Pos. 31,32,33,34,35,36,37,47,54,55,56,57,58,59,60
 Seq#:21; N Pos. 1,2,3,4,5,6,7,14
 Seq#:22; N Pos. 8,15,16,17,18,19,20,21
 Seq#:23; N Pos. 1,2,3,4,5,6,7,14,15,16,17,18,19,20,21,22
 Seq#:24; N Pos. 1,2,3,4,5,6,7,8,9,16,17,18,19,20,21,22
 Seq#:25; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13
 Seq#:26; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13
 Seq#:30; N Pos. 21,22
 Seq#:31; N Pos. 20,21,22,23,24,25,26,27,28,29,30,31,32
 Seq#:34; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13
 Seq#:35; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13
 Seq#:36; N Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,18,19,20,21,22,23,24,25,26
 Seq#:36; N Pos. 27,28,29,30,33,34,35,36,37,38,39,40,41,42,43,44,45,48,49,50
 Seq#:36; N Pos. 51,52,53,54,55,56,57,58,59,60,63,64,65,66,67,68,69,70,71,72
 Seq#:36; N Pos. 73,74,75,78,79,80,81,82,83,84,85,86,87,88,89,90
 Seq#:37; N Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,18,19,20,21,22,23,24,25,26
 Seq#:37; N Pos. 27,28,29,30,33,34,35,36,37,38,39,40,41,42,43,44,45,48,49,50
 Seq#:37; N Pos. 51,52,53,54,55,56,57,58,59,60,63,64,65,66,67,68,69,70,71,72
 Seq#:37; N Pos. 73,74,75,78,79,80,81,82,83,84,85,86,87,88,89,90
 Seq#:65; N Pos. 20,21

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
 per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005
TIME: 09:49:39

Input Set : A:\PTO.SR.txt
Output Set: N:\CRF4\03222005\J527258.raw

Seq#: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31
Seq#: 32, 33, 34, 35, 36, 37, 59, 60, 61, 62, 63, 64, 65

Use of <220> Feature (NEW RULES): *error explanation*

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

Seq#: 27, 28, 29, 32, 33, 59, 60, 61, 62, 63, 64

*3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,
17, 18, 21, 22, 23, 24, 25, 26, 30, 31, 34, 35, 36, 37,
65*

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005

TIME: 09:49:39

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03222005\J527258.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:627 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:27, <213>
ORGANISM:Artificial
L:627 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:27, <213>
ORGANISM:Artificial
L:627 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:27,Line#:627
L:636 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:28, <213>
ORGANISM:Artificial
L:636 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:28, <213>
ORGANISM:Artificial
L:636 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:28,Line#:636
L:645 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:29, <213>
ORGANISM:Artificial
L:645 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:29, <213>
ORGANISM:Artificial
L:645 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:29,Line#:645
L:661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:684 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:32, <213>
ORGANISM:Artificial
L:684 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:32, <213>
ORGANISM:Artificial
L:684 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:32,Line#:684
L:693 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:33, <213>
ORGANISM:Artificial
L:693 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:33, <213>

ORGANISM:Artificial

L:693 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:693

L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0

L:724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0

L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/527,258

DATE: 03/22/2005

TIME: 09:49:39

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03222005\J527258.raw

M:341 Repeated in SeqNo=36
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
M:341 Repeated in SeqNo=37
L:1015 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:59, <213>
ORGANISM:Artificial
L:1015 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:59, <213>
ORGANISM:Artificial
L:1015 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:59,Line#:1015
L:1024 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:60, <213>
ORGANISM:Artificial
L:1024 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:60, <213>
ORGANISM:Artificial
L:1024 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:60,Line#:1024
L:1033 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:61, <213>
ORGANISM:Artificial
L:1033 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:61, <213>
ORGANISM:Artificial
L:1033 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:61,Line#:1033
L:1042 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:62, <213>
ORGANISM:Artificial
L:1042 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:62, <213>
ORGANISM:Artificial
L:1042 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:62,Line#:1042
L:1051 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:63, <213>
ORGANISM:Artificial
L:1051 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:63, <213>
ORGANISM:Artificial
L:1051 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:63,Line#:1051
L:1060 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:64, <213>
ORGANISM:Artificial
L:1060 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:64, <213>
ORGANISM:Artificial
L:1060 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:64,Line#:1060
L:1076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0